WHAT IS CLAIMED IS:

1. A rolling bearing structured such that

a plurality of rolling elements are respectively held between inner and outer rings by a retainer,

grease is sealed therein by a seal,

a rotary body provided with said outer ring and a shaft provided with said inner ring can be connected together by a clutch mechanism, and,

when said rotary body and shaft are connected together by said clutch mechanism, said rolling bearing can be used on receiving a rotation load while the relative rotation between said inner and outer rings is zero,

wherein an initial radial clearance between said inner and outer rings is set such that a bearing effective clearance when said rolling bearing is incorporated between said rotary body and said shaft can provide a positive value.

2. A rolling bearing as set forth in Claim 1, wherein said bearing effective clearance is set at 0.020 mm or more.

3. A rolling bearing as set forth in Claim 1, wherein the depths of grooves formed in said inner and outer rings are respectively 17% or more of the diameter of said rolling body.

4. A rolling bearing as set forth in Claim 2, wherein

the depths of grooves formed in said inner and outer rings are respectively 17% or more of the diameter of said rolling element.

5. A rolling bearing as set forth in Claim 1, wherein an interference of the seal lip of said seal is 60% or more of an axial clearance.

6. A rolling bearing as set forth in Claim 2, wherein an interference of the seal lip of said seal is 60% or more of said axial clearance.

7. A rolling bearing as set forth in Claim 3, wherein an interference of the seal lip of said seal is 60% or more of said axial clearance.

8. A rolling bearing as set forth in Claim 4, wherein an interference of the seal lip of said seal is 60% or more of said axial clearance.

9. A rolling bearing as set forth in Claim 1, wherein the dynamic viscosity at 40° C of the base oil of said grease is 80 mm^2/s or more.

10. A rolling bearing as set forth in Claim 2, wherein the dynamic viscosity at 40° C of the base oil of said grease

is 80 mm^2/s or more.

11. A rolling bearing as set forth in Claim 3, wherein the dynamic viscosity at 40° C of the base oil of said grease is 80 mm^2/s or more.

12. A rolling bearing as set forth in Claim 4, wherein the dynamic viscosity at 40° C of the base oil of said grease is 80 mm^2/s or more.

13. A rolling bearing as set forth in Claim 5, wherein the dynamic viscosity at 40° C of the base oil of said grease is 80 mm^2/s or more.

14. A rolling bearing as set forth in Claim 6, wherein the dynamic viscosity at 40° C of the base oil of said grease is 80 mm^2/s or more.

15. A rolling bearing as set forth in Claim 7, wherein the dynamic viscosity at 40° C of the base oil of said grease is 80 mm^2/s or more.

16. A rolling bearing as set forth in Claim 8, wherein the dynamic viscosity at 40° C of the base oil of said grease is 80 mm^2/s or more.